

**1. Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

Trade Name:

LayZir Disc

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

1.3 Application of the substance/the preparation

Dental material

1.4 Details of the supplier of the safety data sheet

Manufacturer/Supplier :

Name: Smart Dentistry Solutions Inc.

Address: 12 Hughes, Ste. 101, Irvine, Ca 92618-1954

Phone: +1.949.446.9383

Section in Charge: Quality Assurance Section

1.5 Emergency Telephone Number

Same as above

**2. Hazards identification**

2.1 GHS Classification

It is not possible to classify it.

2.2 Label elements

SYMBOL Void

SIGNAL WORD Void

HAZARD STATEMENTS Void

PRECAUTIONARY STATEMENTS

[Prevention]

Do not handle until all safety precautions have been read and understood.

[Response]

Get medical advice/attention if you feel unwell.

[Storage]

Store under normal dry conditions.

[Disposal]

Dispose of contents and container in accordance with regulation.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/information on ingredients

3.1 Classification of the chemical substance or mixture:

Mixtures

3.2 Description:

Mixture of substances listed below with nonhazardous additions.

3.3 Dangerous components:

Void

3.4 Other ingredients

Substance	CAS No.	Weight %
Zirconium dioxide	1314-23-4	79-96
Hafnium dioxide	12055-23-1	<5
Yttrium oxide	1314-36-9	<10
Others	-	<16

4. First-aid measures

4.1 Description of first aid measures

Skin contact:

Rinse with plenty of water.

Eye contact

Rinse cautiously with plenty of water. If symptoms persist, consult a doctor.

Ingestion

Rinse out mouth. If symptoms persist, consult a doctor.

Inhalation:

Supply fresh air, consult doctor in case of complaints

4.2 Most important symptoms and effects, both acute and delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

**5. Fire-fighting measures**

5.1 Extinguishing Media:

Suitable extinguishing agents

Product is not flammable.

In case of fire, use fire extinguishing methods suitable to surrounding conditions

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters:

Protective equipment

No special measures required.

**6. Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures:

Do not breathe dust.

6.2 Environmental Precautions:

No special measures required.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose of absorbed material in accordance with local/regional/national/international regulations.

6.4 Reference to other section:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7. Handling and storage**

7.1 Precautions for safe handling:

Observe instruction for use.

Use in accordance with instruction. In case of grinding and polishing , wear dust mask and safety glasses, and using dust respirator and local exhaust.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry and dark place.

7.3 Specific end use(s):

No further relevant information available

**8. Exposure controls/personal protection**

8.1 Control parameters:

Not further data; see item 7.

8.2 Exposure controls:

Respiratory Protection:

Dust respirator and/or local exhaust.

Hand Protection:

Not required.

Eye Protection:

Safety goggles (May be required.)

Skin and body Protection:

Not required.

**9. Physical and chemical properties**

9.1 Information on basic physical and chemical properties

General information

Appearance	Form	Solid
	Color	Whitish
Odor		Odorless
pH-value		Not applicable
Change in condition		
	Melting point / Melting range	Undetermined
	Boiling point / Boiling range	Undetermined
Flash point		Not applicable
Flammability		Not determined
Self-Igniting		Product is not self igniting
Danger of explosion		Product does not present an explosion hazard.
Relative Density		Not determined.
Solubility: water solubility		Insoluble

**10. Stability and reactivity**

10.1 Reactivity:

No further relevant information available.

10.2 Chemical stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Condition to Avoid:

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous Decomposition Products:

None under normal conditions of storage and use.

**11. Toxicological information**

11.1 Information on toxicological effects:

No further relevant information available

**12. Ecological information**

12.1 Toxicity:

No further relevant information available.

12.2 Persistence and degradability:

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment:

Not applicable.

12.6 Other adverse effects:

No further relevant information available.

**13. Disposal considerations**

13.1 Waste treatment methods:

Dispose of contents/container to in accordance with local/regional/national/international regulations.

14. Transport information

14.1 UN number:

Void

14.2 UN proper shipping name:

Void

14.3 Transport hazard class(es):

Void

14.4 Packing group:

Void

14.5 Environmental hazards:

No further relevant information available.

14.6 Special precautions for user:

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

15. Regulatory information

Follow all regulations in your country.

16. Other information

This product is intended for use by dental professionals. (instrument/material)

Abbreviations and acronyms:

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative